

**Abstract of the Disclosure**

The invention relates to a method and an apparatus for feeding image plates (1) used in intraoral dental X-ray photography into a reading device. During the reading step an excited phosphorus layer on the plate (1) is scanned with a laser beam and is converted into a visible image on a display screen or a film. In accordance with the invention, the excited image plates (1) are removed from their protective bags and are stacked into a housing (2) which acts as their intermediate storage and is protected from light, from where the plates are gripped by a conveyor, such as a toothed belt (16), to be fed forward. The plates can be pulled or pressed e.g. by a magnet (12) and/or a pushing device (15) towards a conveyor conducted laterally of the housing.

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